

Title (en)
WATER-SOLUBLE UNIT DOSE ARTICLE

Title (de)
DOSIERUNGSARTIKEL FÜR WASSERLÖSLICHE EINHEIT

Title (fr)
ARTICLE DE DOSE UNITAIRE SOLUBLE DANS L'EAU

Publication
EP 3202879 B2 20220727 (EN)

Application
EP 16192899 A 20161007

Priority
EP 16154494 A 20160205

Abstract (en)
[origin: EP3202880A1] Water-soluble unit dose article comprising a water-soluble film and a liquid laundry detergent composition, wherein the liquid laundry detergent composition comprises; a. an anionic surfactant; b. a non-ionic surfactant; c. 1,2-propanediol; d. dipropylene glycol.

IPC 8 full level
C11D 1/83 (2006.01); **C11D 3/20** (2006.01); **C11D 3/43** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP RU US)
C11D 1/22 (2013.01 - US); **C11D 1/29** (2013.01 - US); **C11D 1/66** (2013.01 - US); **C11D 1/83** (2013.01 - EP RU US); **C11D 3/20** (2013.01 - RU); **C11D 3/2044** (2013.01 - EP US); **C11D 3/2065** (2013.01 - US); **C11D 3/2068** (2013.01 - EP US); **C11D 3/2075** (2013.01 - US); **C11D 3/30** (2013.01 - US); **C11D 3/3753** (2013.01 - US); **C11D 3/43** (2013.01 - EP RU US); **C11D 17/04** (2013.01 - RU); **C11D 17/043** (2013.01 - EP US); **C11D 17/045** (2013.01 - US); **C11D 2111/12** (2024.01 - US)

Citation (opposition)
Opponent :
• EP 2476744 A1 20120718 - PROCTER & GAMBLE [US]
• EP 2865741 A1 20150429 - DOW GLOBAL TECHNOLOGIES LLC [US]
• WO 2011094470 A1 20110804 - MONOSOL LLC [US], et al
• WO 2011094690 A1 20110804 - PROCTER & GAMBLE [US], et al
• EP 0342177 B1 19950712 - PROCTER & GAMBLE [US]
• EP 1303585 B1 20051123 - PROCTER & GAMBLE [US]
• Experimental report

Cited by
WO2022017724A1; US11873467B2; US11680225B2; US11692158B2; WO2022017726A1; WO2022017725A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3202880 A1 20170809; EP 3202880 B1 20190612; CA 3011615 A1 20170810; CA 3011615 C 20200922; EP 3202879 A1 20170809; EP 3202879 B1 20190619; EP 3202879 B2 20220727; ES 2743710 T3 20200220; ES 2744585 T3 20200225; JP 2019506502 A 20190307; JP 6634523 B2 20200122; RU 2692234 C1 20190624; US 10047327 B2 20180814; US 2017226447 A1 20170810; US 2017226448 A1 20170810; WO 2017136371 A1 20170810; WO 2017136372 A1 20170810

DOCDB simple family (application)
EP 16192905 A 20161007; CA 3011615 A 20170201; EP 16192899 A 20161007; ES 16192899 T 20161007; ES 16192905 T 20161007; JP 2018539928 A 20170201; RU 2018127329 A 20170201; US 2017015922 W 20170201; US 2017015924 W 20170201; US 201715421458 A 20170201; US 201715421459 A 20170201